

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs                            | Default Operator | Plurals | Time Stamp          |
|-------|------|--|--------------------------------|------------------|---------|---------------------|
| S1    | 1    | 10/578012  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | ON      | 2011/03/18<br>15:34 |
| S2    | 2    | ("20030117585"   "6263422").PN.  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | ON      | 2011/03/18<br>15:45 |
| S3    | 2    | 10/195575  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | ON      | 2011/03/18<br>15:47 |
| S4    | 8    | ("5889480"   "6661422").PN. OR ("6842219").URPN.   | US-PGPUB;<br>USPAT; USOCR      | OR               | ON      | 2011/03/18<br>15:47 |
| S5    | 1    | S4 and (dct or idct)   | US-PGPUB;<br>USPAT; USOCR      | OR               | ON      | 2011/03/18<br>15:49 |
| S6    | 226  | ("3875391"   "3893042"   "3962685"   "4107780"  <br>"4142206"   "4149242"   "4196448"   "4215369"  <br>"4225920"   "4228497"   "4302775"   "4307447"  <br>"4334246"   "4433308"   "4437072"   "4467409"  <br>"4495629"   "4540903"   "4580066"   "4598372"  <br>"4617657"   "4630198"   "4646151"   "4679163"  <br>"4710866"   "4747070"   "4785349"   "4789927"  <br>"4799677"   "4809159"   "4811214"   "4811413"  <br>"4814978"   "4823201"   "4829465"   "4831440"  <br>"4841436"   "4843632"   "4855947"   "4866510"  <br>"4866637"   "4885786"   "4887224"   "4891784"  <br>"4897803"   "4903018"   "4912668"   "4922341"  <br>"4922418"   "4924298"   "4924308"   "4943916"  <br>"4953082"   "4975595"   "4985766"   "4989138"  <br>"4991112"   "5003204"   "5014138"   "5021891" | US-PGPUB;<br>USPAT; USOCR      | OR               | ON      | 2011/03/18<br>15:52 |

|           |                                |           |           |
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| "5021947" | "5027212"                      | "5038209" | "5043880" |
| "5050166" | "5053985"                      | "5055841" | "5057793" |
| "5057917" | "5060242"                      | "5081450" | "5086489" |
| "5091721" | "5107345"                      | "5111292" | "5113255" |
| "5122873" | "5122875"                      | "5122948" | "5124790" |
| "5126842" | "5129059"                      | "5130568" | "5134487" |
| "5134697" | "5136371"                      | "5142380" | "5146325" |
| "5146326" | "5148271"                      | "5148524" | "5151875" |
| "5159449" | "5164819"                      | "5168356" | "5168375" |
| "5172011" | "5173695"                      | "5174641" | "5175617" |
| "5179372" | "5182642"                      | "5184124" | "5184347" |
| "5185819" | "5189526"                      | "5191548" | "5193002" |
| "5201056" | "5202847"                      | "5203003" | "5212549" |
| "5212742" | "5214507"                      | "5214770" | "5216724" |
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| "5231486" | .PN. OR ("5233420"   "5233545" |           |           |
| "5233690" | "5237413"                      | "5241222" | "5241383" |
| "5241635" | "5241658"                      | "5247612" | "5249146" |
| "5253058" | "5253078"                      | "5257213" | "5257223" |
| "5257350" | "5258725"                      | "5260781" | "5260782" |
| "5261047" | "5262854"                      | "5263136" | "5267334" |
| "5276513" | "5276681"                      | "5276784" | "5278520" |
| "5278646" | "5278647"                      | "5283646" | "5287178" |
| "5287193" | "5287420"                      | "5289276" | "5289577" |
| "5293229" | "5294894"                      | "5297263" | "5298896" |
| "5298992" | "5299025"                      | "5300949" | "5301019" |
| "5301032" | "5301040"                      | "5301136" | "5301242" |
| "5301272" | "5301344"                      | "5303342" | "5304953" |
| "5305438" | "5307449"                      | "5309527" | "5309563" |
| "5311309" | "5325092"                      | "5329313" | "5329619" |
| "5333212" | "5333266"                      | "5341371" | "5351047" |
| "5367636" | "5369405"                      | "5406279" | "5412782" |
| "5414813" | "5421028"                      | "5442790" | "5446866" |
| "5448310" | "5450599"                      | "5452008" | "5457780" |
| "5461679" | "5481689"                      | "5487064" | "5490247" |
| "5495291" | "5497498"                      | "5504869" | "5510857" |
| "5517603" | "5517670"                      | "5535290" | "5566089" |

|     |      |   |   |    |    |                     |
|-----|------|---|---|----|----|---------------------|
|     |      | "5574933"   "5579052"   "5590283"   "Re33632").<br>PN. OR ("6263422").URPN.     |   |    |    |                     |
| S7  | 61   | S6 and (dct or idct)  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2011/03/18<br>15:52 |
| S8  | 7    | S7 and (pipeline and encod\$3 and decod\$3)                                     | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2011/03/18<br>15:53 |
| S9  | 7    | S7 and (pipeline and (encod\$3 or decod\$3))                                    | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2011/03/18<br>15:54 |
| S10 | 11   | S7 and (pipelin\$3 and (encod\$3 or decod\$3))                                  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2011/03/18<br>15:54 |
| S11 | 3178 | kondo-t\$.in.   | US-PGPUB;<br>USPAT;<br>IBM_TDB  | OR | ON | 2011/03/18<br>15:56 |
| S12 | 30   | S11 and (image with encod\$3 with decod\$3).clm.                                | US-PGPUB;<br>USPAT;<br>IBM_TDB  | OR | ON | 2011/03/18<br>15:58 |
| S13 | 0    | S11 and (image with encod\$3 with decod\$3 with<br>control\$4 with memory).clm. | US-PGPUB;<br>USPAT;<br>IBM_TDB  | OR | ON | 2011/03/18<br>15:58 |
| S14 | 1    | S11 and (image same encod\$3 same decod\$3 same<br>control\$4 same memory).clm. | US-PGPUB;<br>USPAT;<br>IBM_TDB  | OR | ON | 2011/03/18<br>16:00 |
| S15 | 1    | S11 and (image same encod\$3 same decod\$3 same<br>pipeline).clm.               | US-PGPUB;<br>USPAT;<br>IBM_TDB  | OR | ON | 2011/03/18<br>16:00 |
| S16 | 1    | S11 and (image same (encod\$3 or decod\$3) same<br>pipeline).clm.               | US-PGPUB;<br>USPAT;<br>IBM_TDB  | OR | ON | 2011/03/18<br>16:00 |
| S17 | 2    | jp-11126161-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/18<br>16:04 |

|     |      |                       |   |    |    |                     |
|-----|------|-----------------------|---|----|----|---------------------|
| S18 | 1078 | TAKESHIMA-s\$.in.     | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/18<br>16:06 |
| S19 | 11   | hitachi.as. and S18   | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/18<br>16:06 |
| S20 | 2    | jp-2003204556-\$.did. | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/18<br>16:07 |
| S21 | 2    | jp-07240844-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/18<br>16:10 |
| S22 | 1    | wo-02087248-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/18<br>16:13 |
| S23 | 96   | BEATTIE-r\$.in.       | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/18<br>16:16 |

|     |        |   |   |    |    |                     |
|-----|--------|---|---|----|----|---------------------|
| S24 | 103    | smart-m\$.in.   | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/18<br>16:16 |
| S25 | 2      | S23 and S24   | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/18<br>16:16 |
| S26 | 95681  | image with (encod\$3 or decod\$3 )                              | US-PGPUB;<br>USPAT;<br>IBM_TDB  | OR | ON | 2011/03/18<br>16:19 |
| S27 | 3446   | S26 and (pipeline same memory)                                  | US-PGPUB;<br>USPAT;<br>IBM_TDB  | OR | ON | 2011/03/18<br>16:19 |
| S28 | 2101   | S26 and (pipeline same memory same control\$4)                  | US-PGPUB;<br>USPAT;<br>IBM_TDB  | OR | ON | 2011/03/18<br>16:20 |
| S29 | 493    | S28 and (dot or idct or (Discrete adj Cosine adj Transform\$5)) | US-PGPUB;<br>USPAT;<br>IBM_TDB  | OR | ON | 2011/03/18<br>16:23 |
| S30 | 107    | S29 and (vld or rvid or (Variable adj Length adj Decod\$3))     | US-PGPUB;<br>USPAT;<br>IBM_TDB  | OR | ON | 2011/03/18<br>16:24 |
| S31 | 156239 | (image or video or mpeg) with (encod\$3 or decod\$3 )           | US-PGPUB;<br>USPAT;<br>IBM_TDB  | OR | ON | 2011/03/18<br>16:29 |
| S32 | 2981   | S31 and (pipeline same memory same control\$4)                  | US-PGPUB;<br>USPAT;<br>IBM_TDB  | OR | ON | 2011/03/18<br>16:29 |

|     |       |   |                                |    |    |                     |
|-----|-------|---|--------------------------------|----|----|---------------------|
| S33 | 580   | S32 and (dct or idct or (Discrete adj Cosine adj Transform\$5)) | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/18<br>16:29 |
| S34 | 141   | S33 and (vld or rvid or (Variable adj Length adj Decod\$3))     | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/18<br>16:29 |
| S35 | 22916 | S31 and (dct or idct or (Discrete adj Cosine adj Transform\$5)) | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/18<br>16:30 |
| S36 | 5055  | S35 and (vld or rvid or (Variable adj Length adj Decod\$3))     | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/18<br>16:31 |
| S37 | 227   | S36 and (pipeline with control\$4)                              | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/18<br>16:33 |
| S38 | 184   | S37 and (pipeline with stage)                                   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/18<br>16:34 |
| S39 | 117   | S38 and (error near2 (detect\$3 or recover\$4))                 | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/18<br>16:35 |
| S40 | 91    | S39 and (start\$1up or (start\$3 adj up))                       | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/18<br>16:37 |
| S41 | 5     | S39 and (((start\$1up or (start\$3 adj up)) same offset \$))    | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/18<br>16:38 |
| S42 | 3951  | S36 and (motion near2 compensat\$3)                             | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/18<br>16:45 |
| S43 | 145   | S38 and (motion near2 compensat\$3)                             | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/18<br>16:45 |

|     |        |   |                                |    |    |                     |
|-----|--------|---|--------------------------------|----|----|---------------------|
| S44 | 98     | S39 and (motion near2 compensat\$3)                             | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/18<br>16:46 |
| S45 | 89180  | (image or video or mpeg) with (encod\$3 or decod\$3)            | EPO; JPO;<br>DERWENT           | OR | ON | 2011/03/18<br>16:48 |
| S50 | 19     | S45 and (pipeline same stage same control\$4)                   | EPO; JPO;<br>DERWENT           | OR | ON | 2011/03/18<br>16:50 |
| S51 | 94     | S45 and (pipeline same control\$4)                              | EPO; JPO;<br>DERWENT           | OR | ON | 2011/03/18<br>16:52 |
| S52 | 8      | S51 and (dct or idct or (Discrete adj Cosine adj Transform\$5)) | EPO; JPO;<br>DERWENT           | OR | ON | 2011/03/18<br>16:53 |
| S53 | 2300   | 345/506,530-534.ccls.   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/21<br>11:02 |
| S54 | 156239 | (image or video or mpeg) with (encod\$3 or decod\$3)            | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/21<br>11:03 |
| S55 | 2981   | S54 and (pipeline same memory same control\$4)                  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/21<br>11:03 |
| S56 | 580    | S55 and (dct or idct or (Discrete adj Cosine adj Transform\$5)) | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/21<br>11:03 |
| S57 | 3162   | 345/505-506,520,530-534.ccls.                                   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/21<br>11:06 |
| S58 | 5978   | "348"/"220.1", "E5.002" - "E5.007", 700-701.ccls.               | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/21<br>11:43 |
| S59 | 2411   | 341/51,67.ccls.   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/21<br>11:43 |

|     |       |  |                                |    |    |                     |
|-----|-------|--|--------------------------------|----|----|---------------------|
| S60 | 3183  | 386/353-356.ccls.  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/21<br>11:44 |
| S61 | 21075 | 375/240-254.ccls.  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/21<br>11:45 |
| S62 | 3146  | 382/248-253.ccls.  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/21<br>11:45 |
| S63 | 958   | 712/209-210.ccls.  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/21<br>11:45 |
| S64 | 12205 | (S57 or S58 or S59 or S60 or S61 or S62 or S63) and<br>(dct or idct or (Discrete adj Cosine adj Transform<br>\$5)) | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/21<br>11:46 |
| S65 | 3580  | S64 and (vld or rvid or (Variable adj Length adj<br>Decod\$3))   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/21<br>11:47 |
| S66 | 571   | S65 and (error near2 (detect\$3 or recover\$4))  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/21<br>11:48 |
| S67 | 499   | S66 and (motion near2 compensat\$3)  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/21<br>11:49 |
| S68 | 35    | S67 and (pipeline same memory same control\$4)   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2011/03/21<br>11:49 |



|     |     |           |                               |           |           |                           |    |    |                     |
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| S69 | 226 | "3875391" | "3893042"                     | "3962685" | "4107780" | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2011/03/22<br>12:54 |
|     |     | "4142206" | "4149242"                     | "4196448" | "4215369" |                           |    |    |                     |
|     |     | "4225920" | "4228497"                     | "4302775" | "4307447" |                           |    |    |                     |
|     |     | "4334246" | "4433308"                     | "4437072" | "4467409" |                           |    |    |                     |
|     |     | "4495629" | "4540903"                     | "4580066" | "4598372" |                           |    |    |                     |
|     |     | "4617657" | "4630198"                     | "4646151" | "4679163" |                           |    |    |                     |
|     |     | "4710866" | "4747070"                     | "4785349" | "4789927" |                           |    |    |                     |
|     |     | "4799677" | "4809159"                     | "4811214" | "4811413" |                           |    |    |                     |
|     |     | "4814978" | "4823201"                     | "4829465" | "4831440" |                           |    |    |                     |
|     |     | "4841436" | "4843632"                     | "4855947" | "4866510" |                           |    |    |                     |
|     |     | "4866637" | "4885786"                     | "4887224" | "4891784" |                           |    |    |                     |
|     |     | "4897803" | "4903018"                     | "4912668" | "4922341" |                           |    |    |                     |
|     |     | "4922418" | "4924298"                     | "4924308" | "4943916" |                           |    |    |                     |
|     |     | "4953082" | "4975595"                     | "4985766" | "4989138" |                           |    |    |                     |
|     |     | "4991112" | "5003204"                     | "5014138" | "5021891" |                           |    |    |                     |
|     |     | "5021947" | "5027212"                     | "5038209" | "5043880" |                           |    |    |                     |
|     |     | "5050166" | "5053985"                     | "5055841" | "5057793" |                           |    |    |                     |
|     |     | "5057917" | "5060242"                     | "5081450" | "5086489" |                           |    |    |                     |
|     |     | "5091721" | "5107345"                     | "5111292" | "5113255" |                           |    |    |                     |
|     |     | "5122873" | "5122875"                     | "5122948" | "5124790" |                           |    |    |                     |
|     |     | "5126842" | "5129059"                     | "5130568" | "5134487" |                           |    |    |                     |
|     |     | "5134697" | "5136371"                     | "5142380" | "5146325" |                           |    |    |                     |
|     |     | "5146326" | "5148271"                     | "5148524" | "5151875" |                           |    |    |                     |
|     |     | "5159449" | "5164819"                     | "5168356" | "5168375" |                           |    |    |                     |
|     |     | "5172011" | "5173695"                     | "5174641" | "5175617" |                           |    |    |                     |
|     |     | "5179372" | "5182642"                     | "5184124" | "5184347" |                           |    |    |                     |
|     |     | "5185819" | "5189526"                     | "5191548" | "5193002" |                           |    |    |                     |
|     |     | "5201056" | "5202847"                     | "5203003" | "5212549" |                           |    |    |                     |
|     |     | "5212742" | "5214507"                     | "5214770" | "5216724" |                           |    |    |                     |
|     |     | "5218436" | "5223926"                     | "5226131" | "5227863" |                           |    |    |                     |
|     |     | "5227878" | "5228098"                     | "5229863" | "5231484" |                           |    |    |                     |
|     |     | "5231486" | PN. OR ("5233420"   "5233545" |           |           |                           |    |    |                     |
|     |     | "5233690" | "5237413"                     | "5241222" | "5241383" |                           |    |    |                     |
|     |     | "5241635" | "5241658"                     | "5247612" | "5249146" |                           |    |    |                     |
|     |     | "5253058" | "5253078"                     | "5257213" | "5257223" |                           |    |    |                     |
|     |     | "5257350" | "5258725"                     | "5260781" | "5260782" |                           |    |    |                     |
|     |     | "5261047" | "5262854"                     | "5263136" | "5267334" |                           |    |    |                     |
|     |     | "5276513" | "5276681"                     | "5276784" | "5278520" |                           |    |    |                     |

|     |    |  |                           |    |    |                     |
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|     |    | "5278646"   "5278647"   "5283646"   "5287178"  <br>"5287193"   "5287420"   "5289276"   "5289577"  <br>"5293229"   "5294894"   "5297263"   "5298896"  <br>"5298992"   "5299025"   "5300949"   "5301019"  <br>"5301032"   "5301040"   "5301136"   "5301242"  <br>"5301272"   "5301344"   "5303342"   "5304953"  <br>"5305438"   "5307449"   "5309527"   "5309563"  <br>"5311309"   "5325092"   "5329313"   "5329619"  <br>"5333212"   "5333266"   "5341371"   "5351047"  <br>"5367636"   "5369405"   "5406279"   "5412782"  <br>"5414813"   "5421028"   "5442790"   "5446866"  <br>"5448310"   "5450599"   "5452008"   "5457780"  <br>"5461679"   "5481689"   "5487064"   "5490247"  <br>"5495291"   "5497498"   "5504869"   "5510857"  <br>"5517603"   "5517670"   "5535290"   "5566089"  <br>"5574933"   "5579052"   "5590283"   "Re33632").<br>PN. OR ("6263422").URPN. |                           |    |    |                     |
| S70 | 35 | S69 and (pipeline and encod\$3 and decod\$3)   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2011/03/22<br>12:59 |
| S71 | 5  | S69 and (pipeline same (encod\$3 with decod\$3))   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2011/03/22<br>13:01 |

### EAST Search History (Interference)

<This search history is empty>

3/ 22/ 2011 3:07:00 PM

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